

**WHAT IS CLAIMED IS:**

1. An early warning braking system for automobiles mainly relies on an electronic detector (30) installable over and above an accelerator pedal (10) or in the vicinity of the accelerator pedal (10) to monitor a driver's foot motion, and the electronic detector (30) is connected to a control circuit that is linked to a pre-braking signal light (50), such that when the driver's foot is withdrawn from the accelerator pedal (10), the electronic detector (30) receives signals of the foot motion, and a control circuit then causes a pre-braking signal light (50) to be turned on for forewarning drivers in following cars of impending braking.

2. The early warning braking system as claimed in claim 1, wherein the electronic detector (30) can be installed underneath a dash panel of the car.

3. The early warning braking system as claimed in claim 1, wherein the electronic detector (30) can be installed over and above the accelerator pedal (10).

4. The early warning braking system as claimed in claim 1, wherein the electronic detector (30) is an infrared sensing means.

5. The early warning braking system as claimed in claim 1, wherein the electronic detector (30) is an optical sensing means.

6. The early warning braking system as claimed in claim 1, wherein the pre-braking signal light (50) can be installed next to a central brake light (40).

7. The early warning braking system as claimed in claim 1, wherein the pre-braking signal light (50) can be installed next to tail-end brake lights (40).

8. The early warning braking system as claimed in claim 1, wherein the pre-braking signal light (50) can be combined with a regular braking light (40),

1 by using a twin filament light apparatus, where one filament represents the pre-  
2 braking signal light (50) and the other filament represents a regular braking light  
3 for dual function display.

4 9. The early warning braking system as claimed in claim 1, wherein the  
5 pre-braking signal light (50) can be set up by the control circuit for continuous  
6 lighting.

7 10. The early warning braking system as claimed in claim 1, wherein the  
8 pre-braking signal light (50) can be set up through the control circuit for flashing  
9 mode.

10 11. An early warning braking system for automobiles mainly relies on an  
11 electronic detector (30) installable over and above a brake pedal (20) or in the  
12 vicinity of the brake pedal (20) to monitor a driver's foot motion, and the  
13 electronic detector (30) is connected to a control circuit that is linked to a pre-  
14 braking signal light (50), such that when the driver's foot is stepped on the brake  
15 pedal (20), the electronic detector (30) picks up signals of foot motion, and the  
16 control circuit causes the pre-braking signal light (50) to be turned on for  
17 forewarning drivers in following cars of impending braking of the automobile  
18 fitted with the early warning braking system.

19 12. The early warning braking system as claimed in claim 11, wherein  
20 the electronic detector (30) can be installed, underneath a dash panel of the  
21 automobile, or over and above the brake pedal (20) of the automobile.

22 13. The early warning braking system as claimed in claim 11, wherein  
23 the electronic detector (30) can be installed on the brake pedal (20).

24 14. The early warning braking system as claimed in claim 11, wherein

1 the electronic detector (30) is an infrared sensing means.

2 15. The early warning braking system as claimed in claim 11, wherein  
3 the electronic detector (30) is an optical sensing means.

4 16. The early warning braking system as claimed in claim 11, wherein  
5 the pre-braking signal light (50) can be installed next to a central brake light (40).

6 17. The early warning braking system as claimed in claim 11, wherein  
7 the pre-braking signal light (50) can be installed next to tail-end brake lights (40).

8 18. The early warning braking system as claimed in claim 11, wherein  
9 the pre-braking signal light (50) can be combined with a regular braking light  
10 (40), by using a twin filament light apparatus, where one filament represents the  
11 pre-braking signal light (50) and the other filament represents a regular braking  
12 light for dual function display.

13 19. The early warning braking system as claimed in claim 11, wherein  
14 the pre-braking signal light (50) can be set up by the control circuit for  
15 continuous lighting.

16 20. The early warning braking system as claimed in claim 11, wherein  
17 the pre-braking signal light (50) can be set up through the control circuit for  
18 flashing mode.